

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements and Asphaltting to roads at Vaishnavi Layout and Surrounding Areas in ward No 09 in Vidyaranyapura sub Division.

						Estimate Cost:		3500000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 138 / Item No. 19.1/ PWD SR 2014-15	Cum							
	Drain Desilting								
	Main Road Vaishnavai Layout		2	100.00	0.45	0.35	31.50		
			2	250.00	0.45	0.35	78.75		
	Srinidhi layiut 8th A Cross		2	150.00	0.45	0.35	47.25		
	Cross Road		2	50.00	0.45	0.35	15.75		
	Berm Cutting								
	Main Road Vaishnavai Layout		2	100.00	1.20	0.20	48.00		
			2	100.00	1.20	0.20	48.00		
	Srinidhi layiut 8th A Cross		2	150.00	1.20	0.20	72.00		
			2	50.00	1.20	0.20	24.00		
	Main Road		1	150.00	6.50	0.45	438.75		
							804.00	75.60	60782.00
	Basic Rate	70.00							
	Area Weightage @8%	5.60							
	Total	75.60							
2	Removing B.S Slab of Drain and stacking Page No. 25 / Item No. 5.32 / PWD SR 2014-15	Sqm							
	Main Road Vaishnavai Layout		1	100.00		1.35	135.00		
			1	250.00		1.35	337.50		
	Srinidhi layiut 8th A Cross		1	150.00		1.35	202.50		
			1	50.00		1.35	67.50		
							742.50	58.32	43303.00
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	58.32							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25 / Item No. 5.33 / PWD SR 2014-15	Sqm							
			Qty Vide Item No. 2				742.50	75.60	56133.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	75.60							
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2014-15	Cum							
	Main Road Vaishnavai Layout		2x2	335.00	0.30	0.10	40.20		
							40.20	4847.04	194851.00
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	4847.04							
5	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25 / Item No. 5.27 / PWD SR 2014-15	Sqm							
	Main Road Vaishnavai Layout		2x2	335.00		0.40	536.00		
							536.00	993.60	532570.00
	Basic Rate	920.00							
	Area Weightage @ 8%	73.60							
	Total	993.60							
6	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No. 12/ Item No. 4.6/ PWD SR 2014-15	Cum							
	Main Road Vaishnavai Layout Coping		2x2	335.00	0.20	0.10	26.80		
	Bottom		2	335.00	0.45	0.10	30.15		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							56.95	5327.64	303409.00
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Total	5327.64							
7	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal , coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1.4.6, Page No. 13 / Item No. 4.11 / PWD SR 2014-15	Cum							
	Main Road Vaishnavai Layout		2	335.00	0.90	0.10	60.30		
							60.30	6065.28	365736.00
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	6065.28							
8	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2014-15	Tonne							
			0.05	60.30			3.02		
							3.02	78351.84	236231.00
	Basic Rate	72548.00							
	Area Weightage @ 8%	5803.84							
	Total	78351.84							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
9	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.18 / PWD SR 2014-15	Sqm							
			2	335.00	0.60		402.00		
			3	335.00	0.15		150.75		
	Basic Rate	291.00					552.75	314.28	173718.00
	Area Weightage @ 8%	23.28							
	Total	314.28							
10	KSRRB 300-47: scarifying kankar/gravel/metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges complete as per specifications MORTH chapter 3, No. 143 / Item No. 19.53 / PWD SR 2014-15	Sqm							
	Main Road Vaishnavai Layout		1	100.00	5.50		550.00		
			1	100.00	5.50		550.00		
	Srinidhi layiut 8th A Cross		1	150.00	5.50		825.00		
	Damaged Portion		1	50.00	5.50		275.00		
							2200.00	22.68	49896.00
	Basic Rate	21.00							
	Area Weightage @ 8%	1.68							
	Total	22.68							
11	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications Page No. 154 / Item No. 20.18 PWD SR - 2014-15.	Cum							
	Main Road Vaishnavai Layout		1	100.00	5.50	0.15	82.50		
			1	250.00	5.50	0.15	206.25		
	Srinidhi layiut 8th A Cross		1	150.00	5.50	0.15	123.75		
	Damaged Portion		1	50.00	5.50	0.15	41.25		
							453.75	1438.56	652747.00
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	1438.56							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
12	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, Page No. 157 / Item No. 21.6 / PWD SR 2014-15	Sqm							
	Main Road Vaishnavai Layout		1	100.00	5.50		550.00		
			1	250.00	5.50		1375.00		
	Srinidhi layiut 8th A Cross		1	150.00	5.50		825.00		
	Damaged Portion		1	50.00	5.50		275.00		
							3025.00	31.32	94743.00
	asper Revised Basic Rate	29.00							
	Area Weightage @ 8%	2.32							
	Total	31.32							
13	KSRRB M500-18: Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. with 100-120 TPH capacityH.M.P with sensor paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen Page No. 159 / Item No. 21.20.2 / PWD SR 2014-15	Cum							
	Main Road Vaishnavai Layout		1	100.00	5.50	0.025	13.75		
			1	250.00	5.50	0.025	34.38		
	Srinidhi layiut 8th A Cross		1	150.00	5.50	0.025	20.63		
	Damaged Portion		1	50.00	5.50	0.025	6.88		
							75.63	8475.84	640985.00
	as per Revised Basic Rate	7848.00							
	Area Weightage @ 8%	627.84							
	Total	8475.84							
14	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				804.00	73.57	59150.00
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	5.45							
	Total	73.57							
15	Sub Total								3464254.00
16	For Third Part QC inspection Charges @ 1% of Estimate Cost								34643.00
17	Miscellaneous and other Charges	L/S							1103.00
								Total	3500000.00

(Rupees Thirty Five Lakhs)

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2014-15.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.


Assistant Engineer
hug


Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayanyapura Sub Division


Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction
Accorded for 35.00 lakh B
Head of A/C P3089
CER NO 51 Dt: 21.8.15

TA

CE (YNKL)

ADMINISTRATIVELY SANCTIONED FOR Rs. 35.00 lakh
Rupees Thirty Five lakh
Under 8-2089
Registered as EE () No. 3 / 9 / 15
Subject to conditions contained in
enclosed memo EE () No. 9 / 15 / 15
Dt. 21/8/15 Estimate A/Sanctioned
21/8/15 dated 21/8/15 Rs. 35.00 lakh

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivasapura Dumping Yard for Ward No. 09,
Vidyaranyapura Sub Division.

Lead Distance

1. From BBMP Sub Division office to Devi Circle	1.50 Kms
2. From Devi Circle to Thirumala Daba	2.00 Kms
3. From Thirumala Daba to 3 rd Cross SBI Bank	2.00 Kms
4. From 3 rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5. From Sheshadripuram College to Police Station	0.80 Kms
6. From Police Station to Kogilu Cross	0.60 Kms
7. From Kogilu Cross to Srinivasapura	4.00 Kms
8. From Srinivasapura to Dumping Yard	<u>0.50 Kms</u>
Total	11.90 Kms

Certificate:

1. Certified that the Srinivasapura Dumping Yard is the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.


Assistant Engineer
Ward No. 09

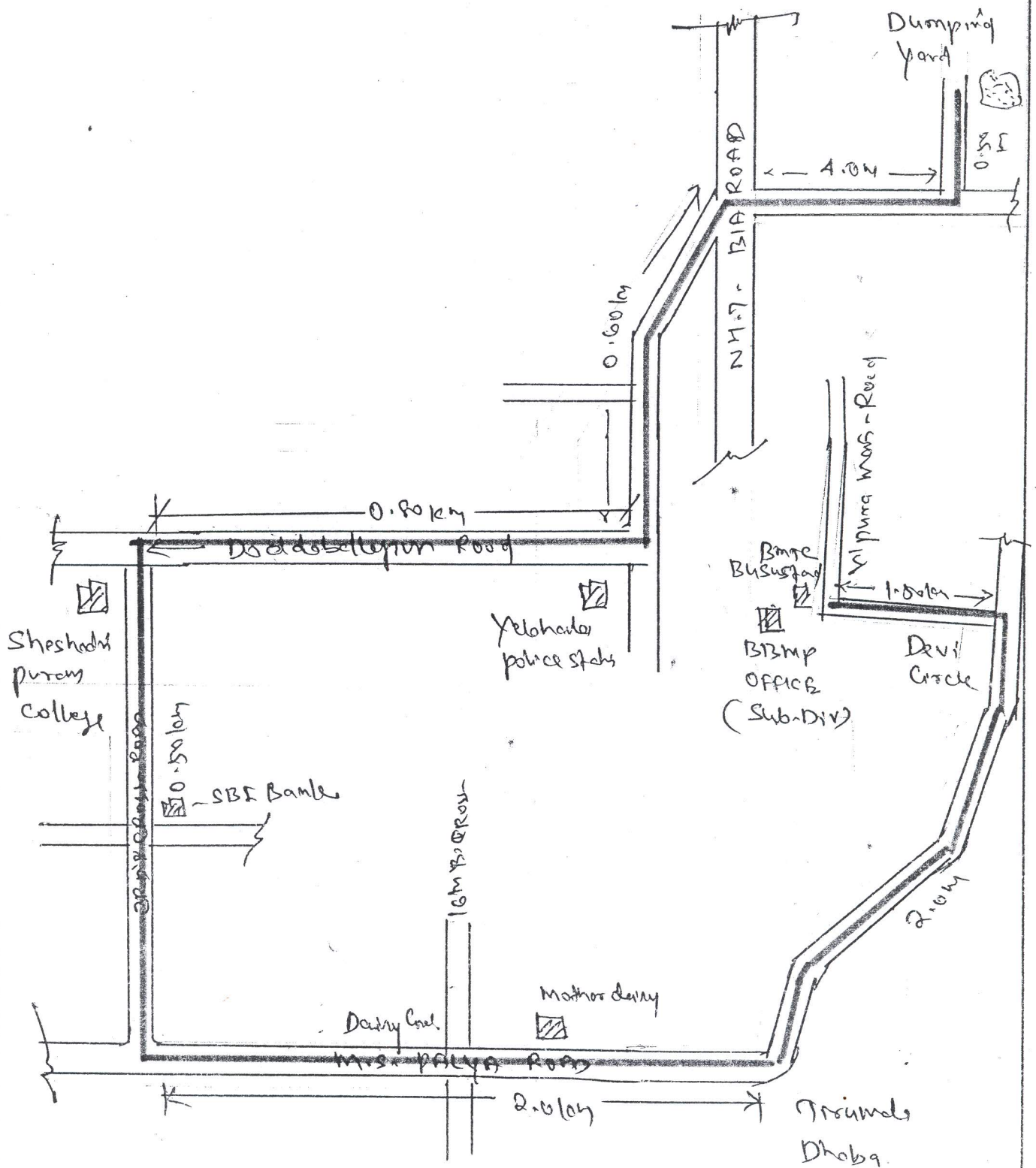

Assistant Executive Engineer
Vidyaranyapura Sub Division


Executive Engineer
Byatarayanapura Division

The map displays a residential area with a grid of streets. A yellow line, representing the proposed drainage system, runs diagonally from the top left towards the center. A red line shows the existing road layout. Handwritten notes include 'INDEX', 'Asphalt to Road', 'Drain Drop', and '250m'. A 'Cosmos Fitness' logo is visible in the bottom left corner.

A.P.

LEAD CHART FOR DUMPING YARD FOR WARD NO



[Handwritten signature]

[Handwritten signature]
 ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
 ವಿಜಯಪುರ ಜಿಲ್ಲಾ ಪಂಚಾಯತ್
 ಯಶವಂತ ಪುರಂ,
 ಬಿ. ಬಿ. ಮ. ಪಾ. ಬೆಂಗಳೂರು-97